

FIG. 1

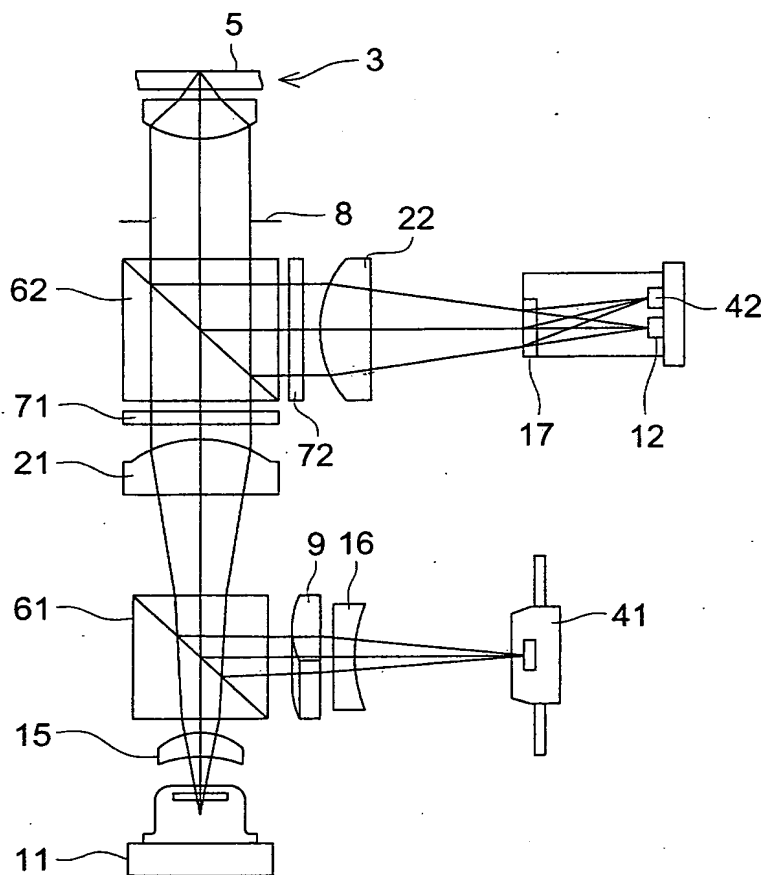


FIG. 3 (a)

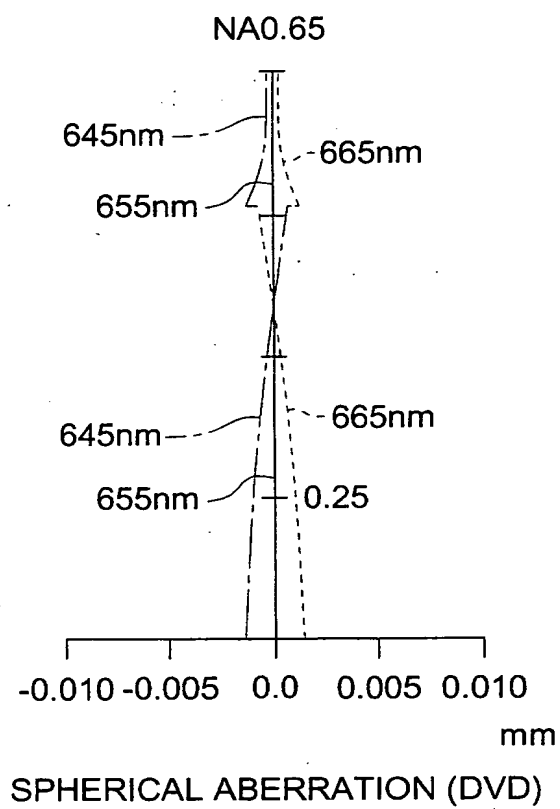


FIG. 3 (b)

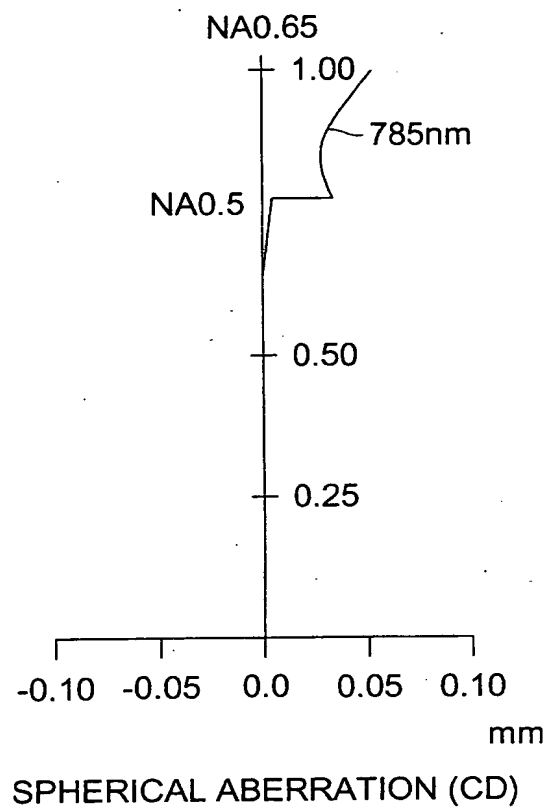


FIG. 4

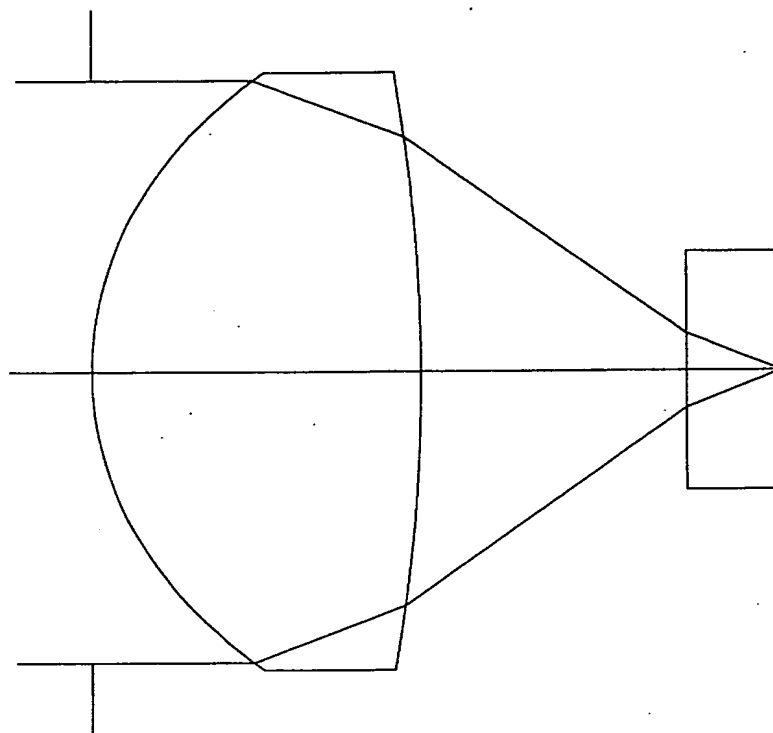


FIG. 4

FIG. 5 (a)

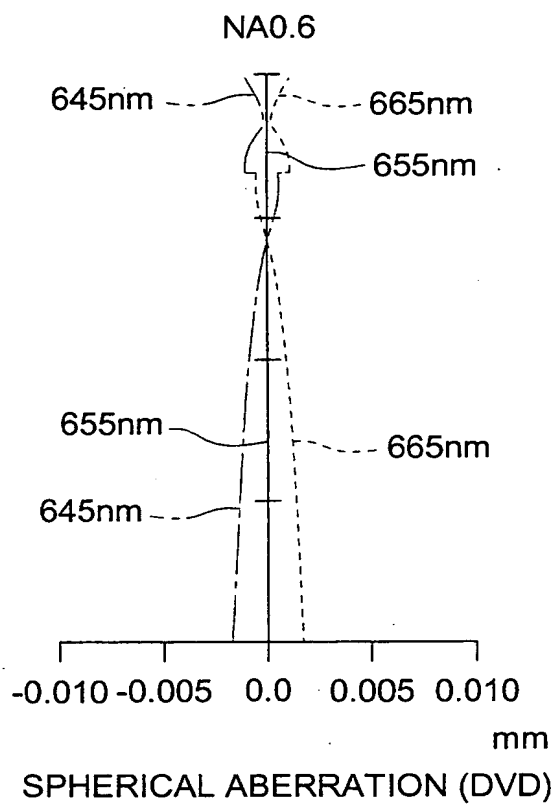
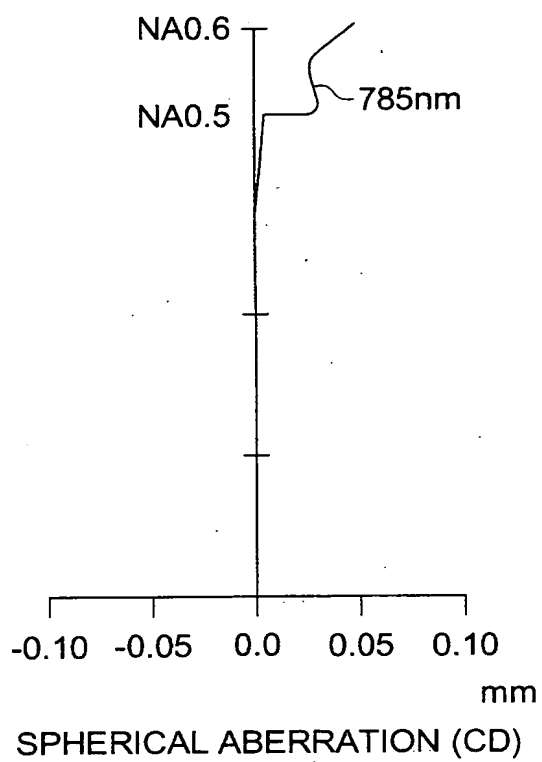


FIG. 5 (b)



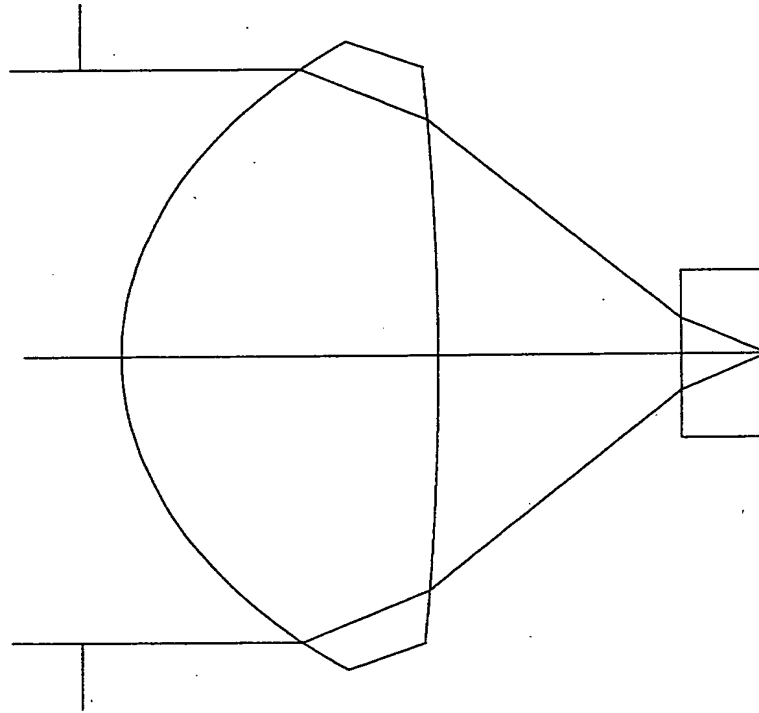
[illegible]

FIG. 7 (a)

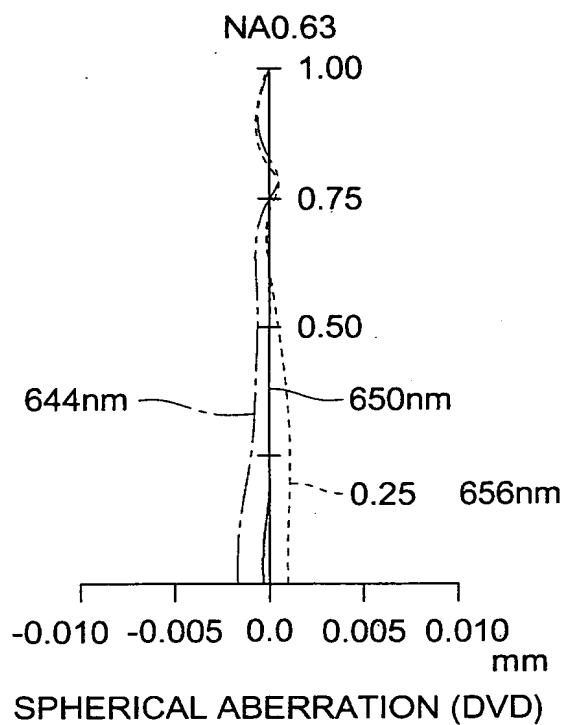


FIG. 7 (b)

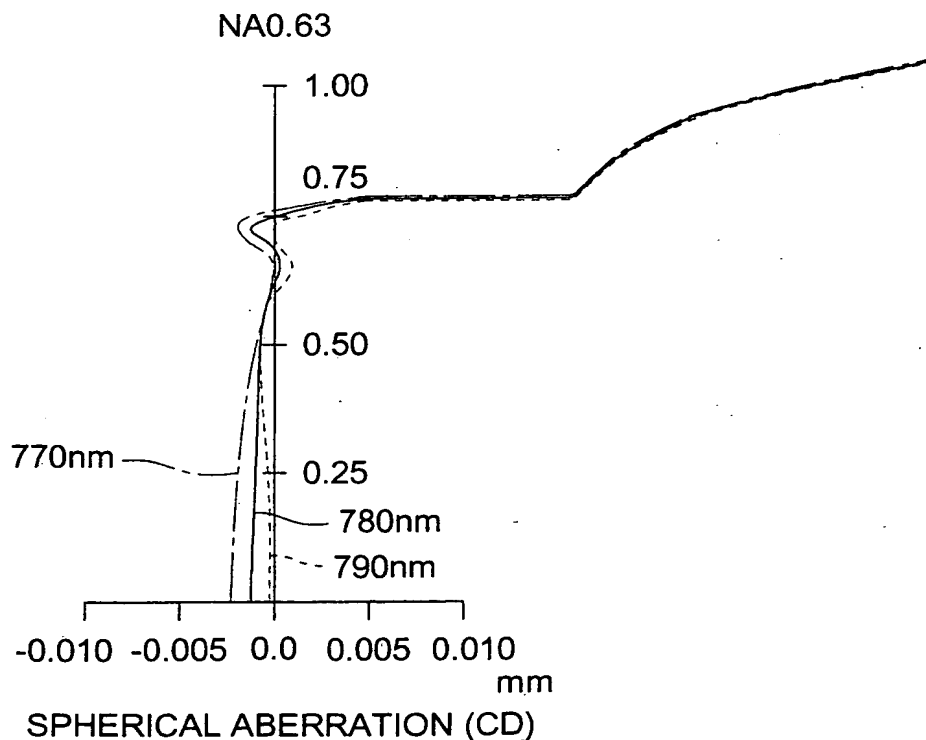


FIG. 8 (a)

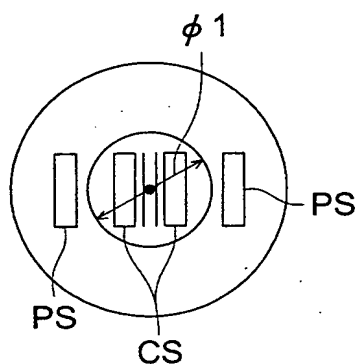


FIG. 8 (b)

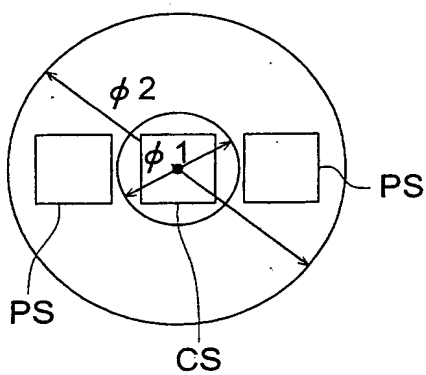


FIG. 9

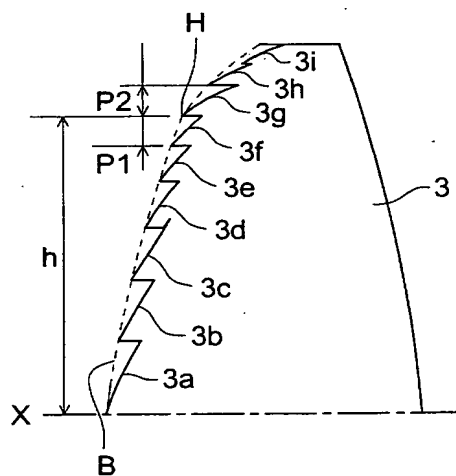


FIG. 10

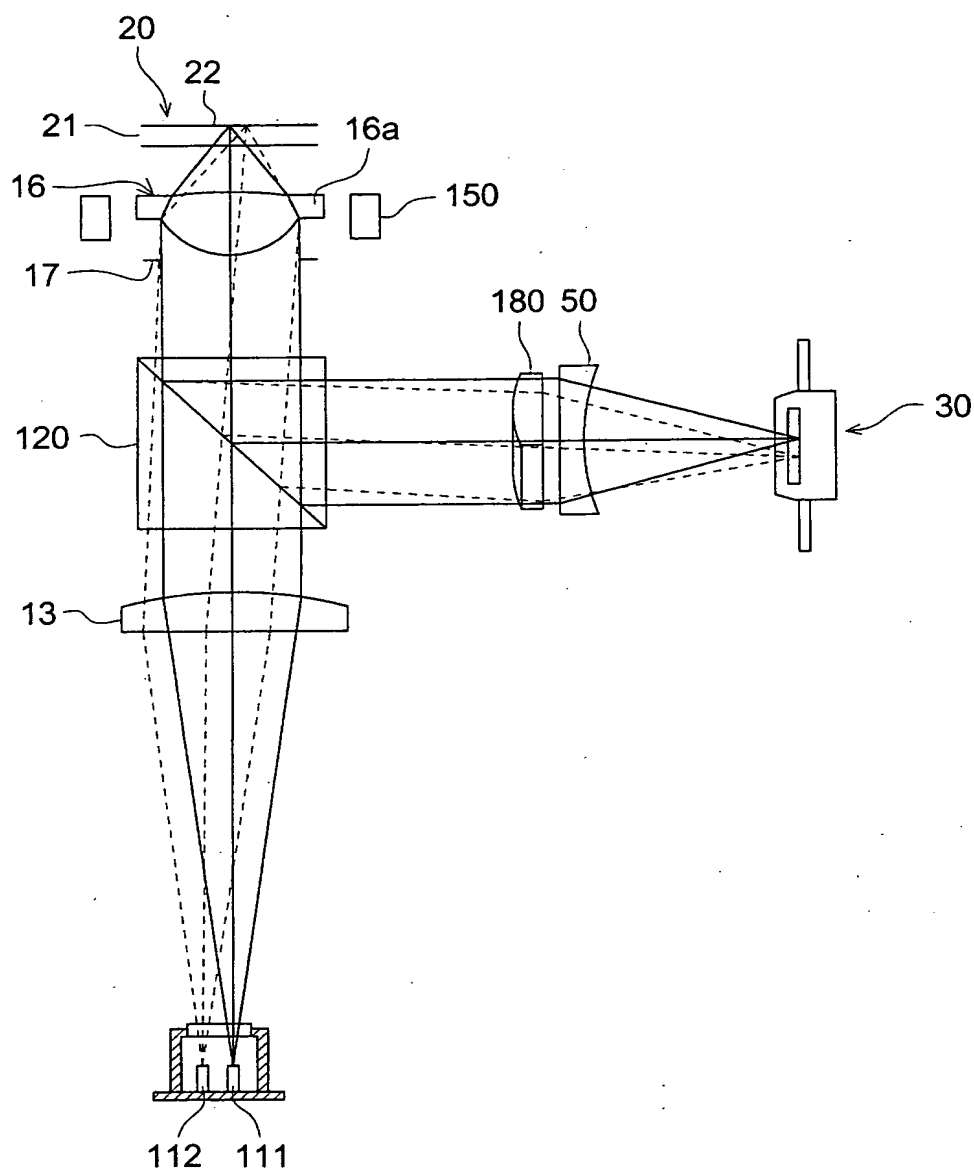


FIG. 11

SPHERICAL ABERRATION

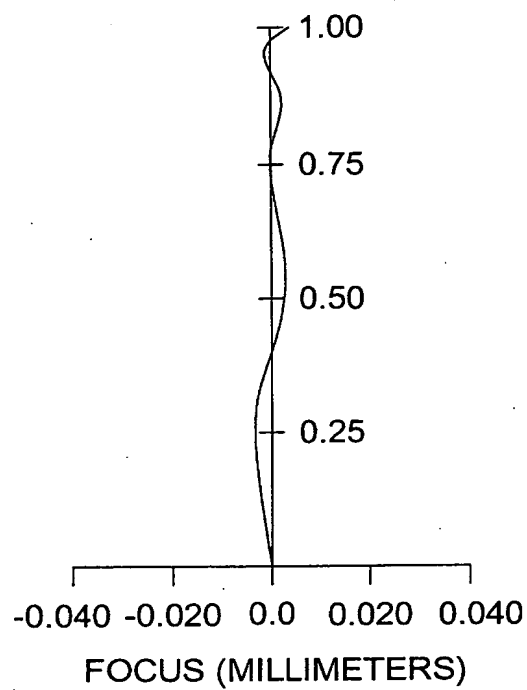
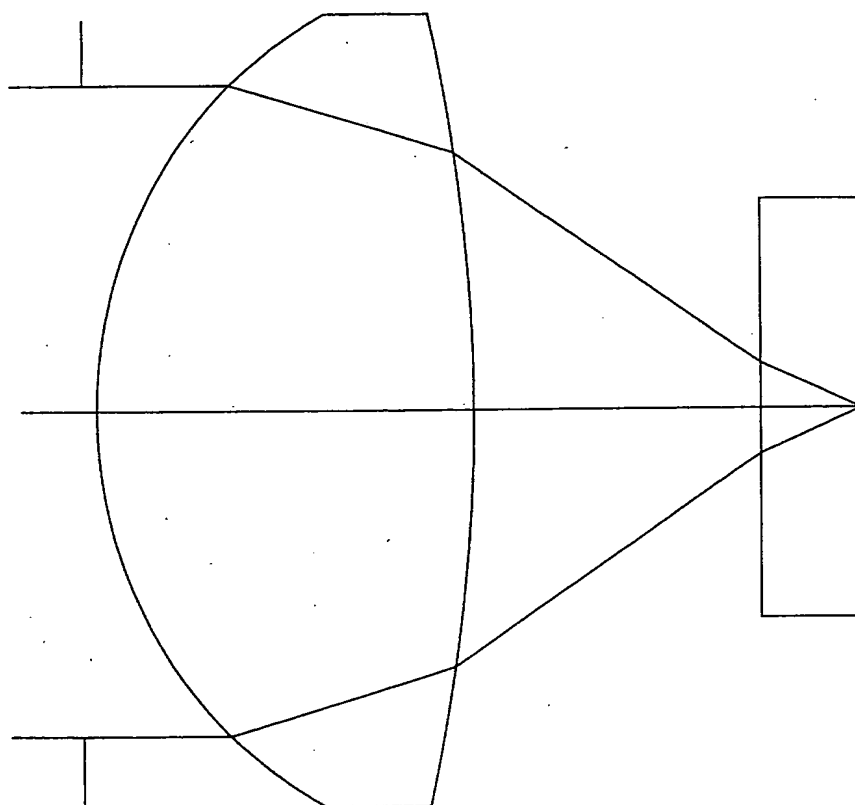
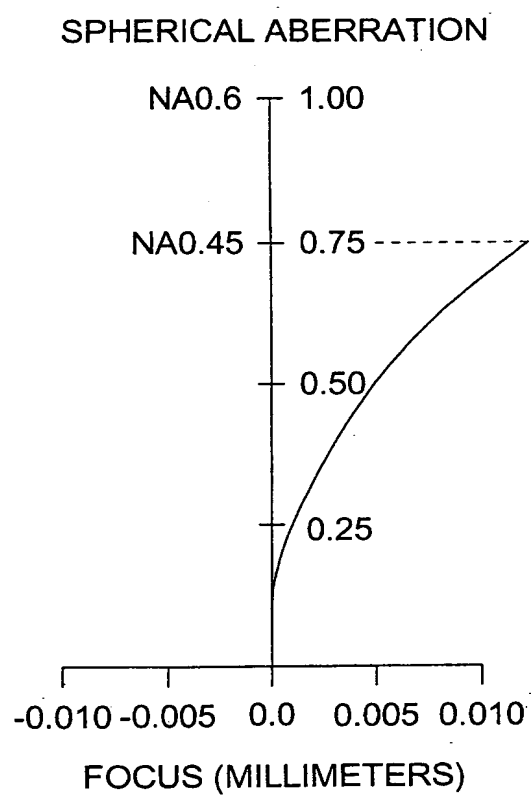


FIG. 12



$\lambda = 650\text{mm}$
 $t_1 = 0.6\text{mm}$

FIG. 13



0074334 4400

FIG. 14

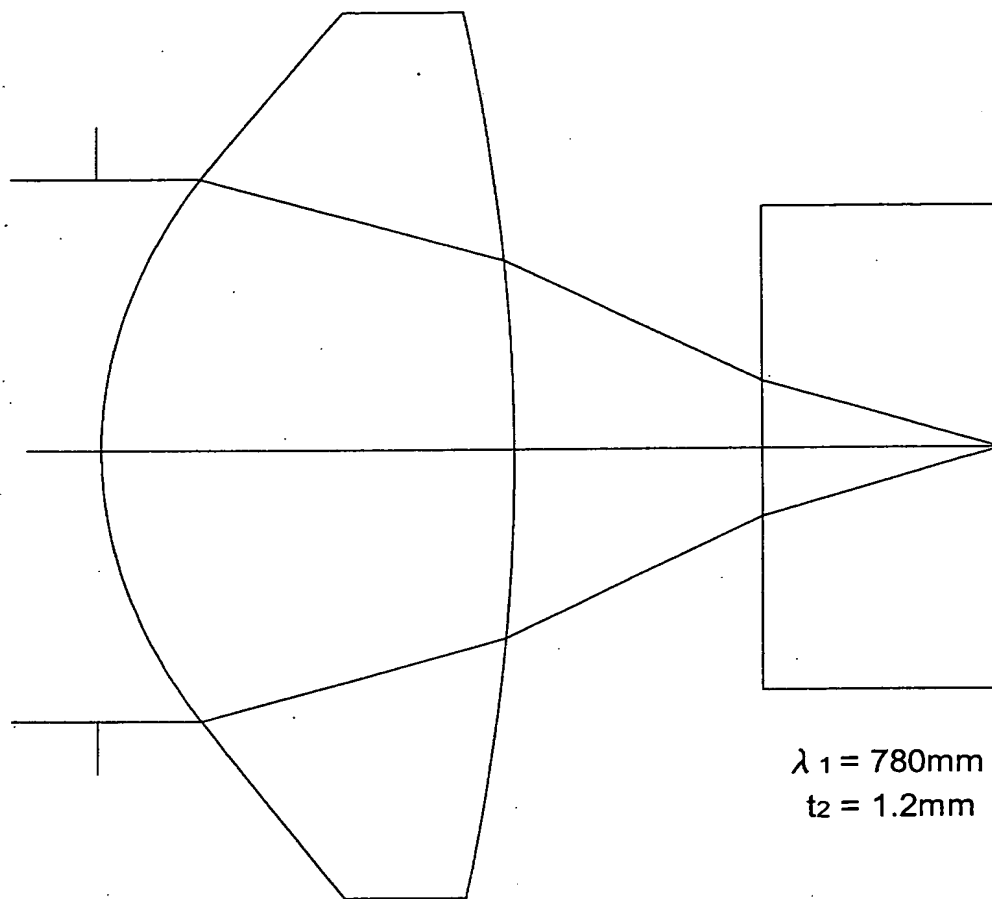


FIG. 15

SPHERICAL ABERRATION

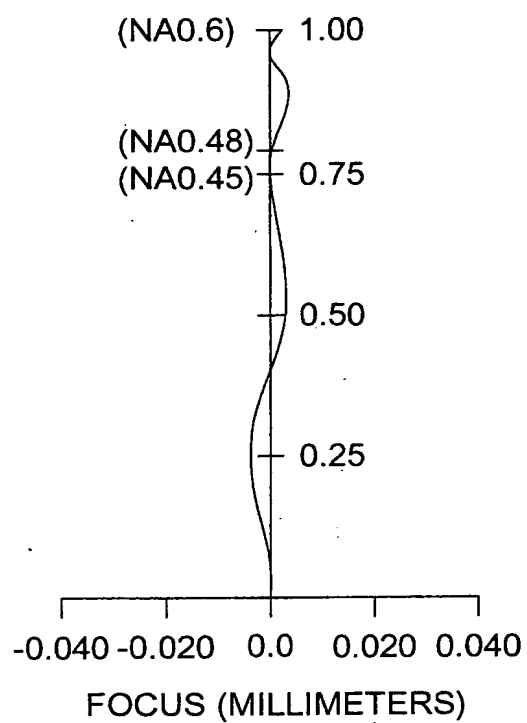


FIG. 16

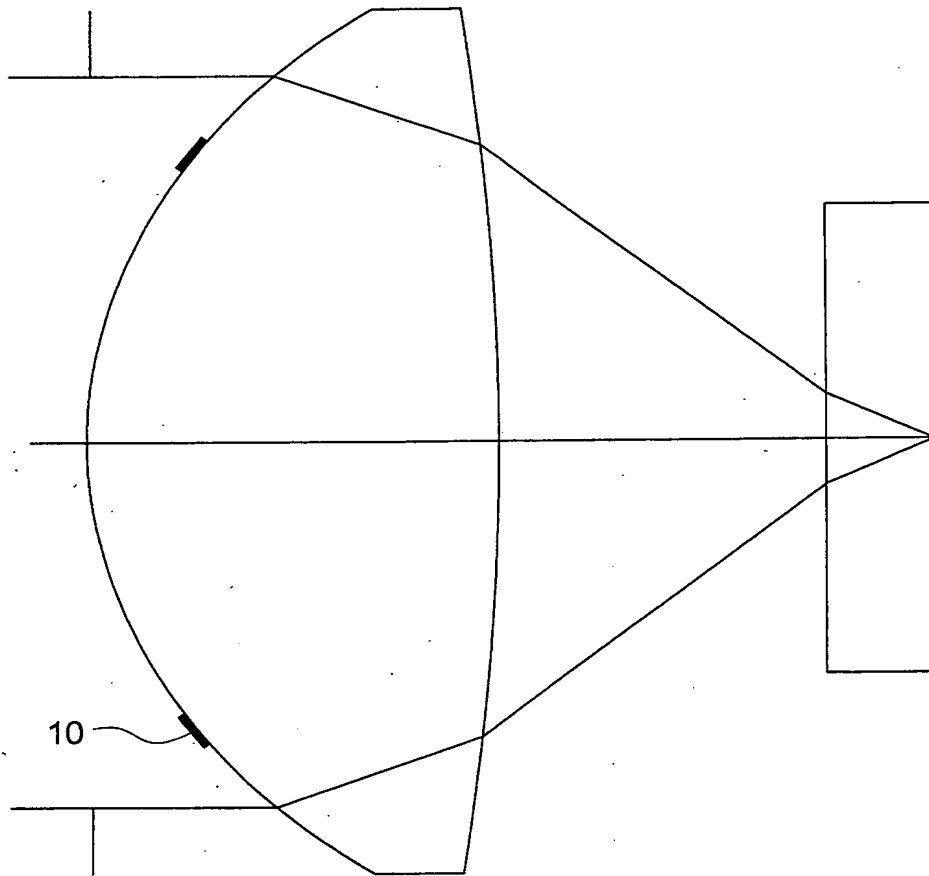


FIG. 17

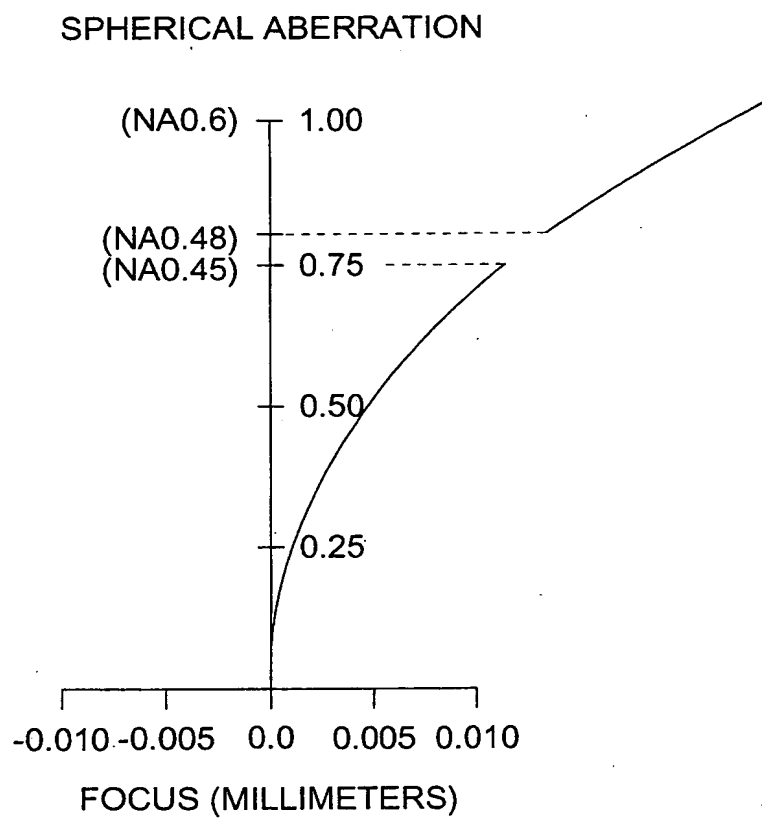


FIG. 18

SPHERICAL ABERRATION

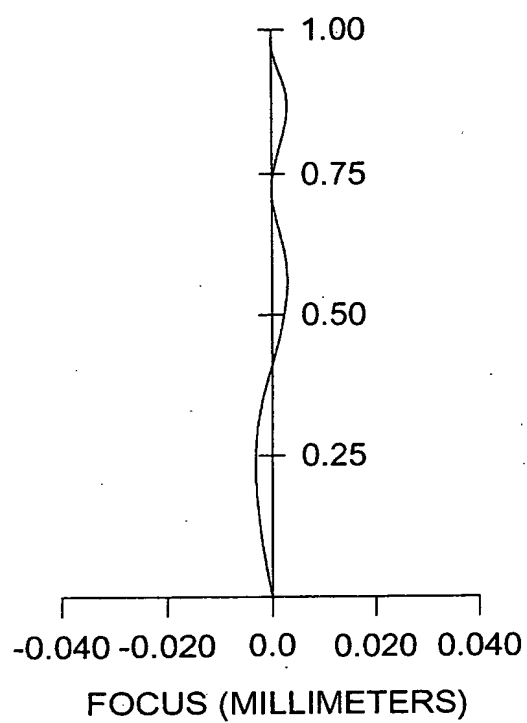


FIG. 19

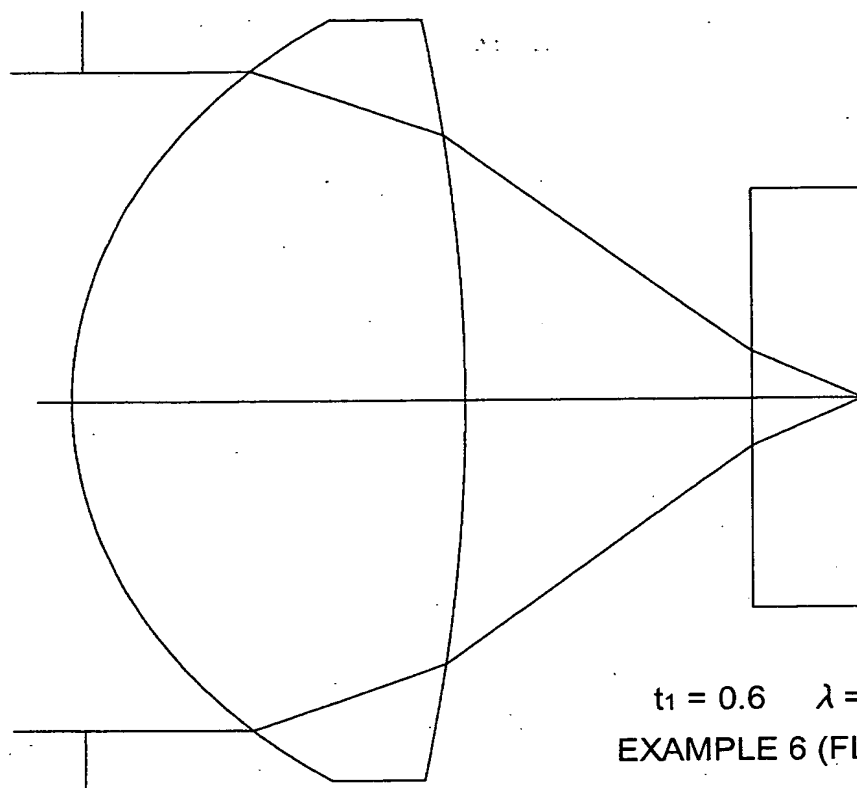
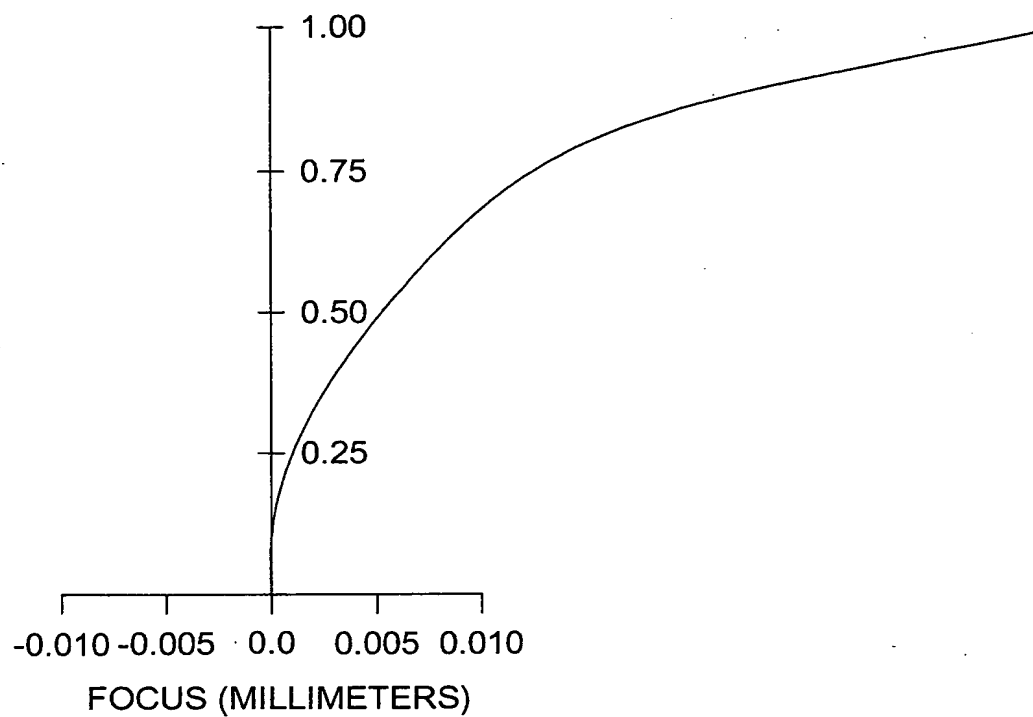


FIG. 20

SPHERICAL ABERRATION



00743334 44500

FIG. 21

SPHERICAL ABERRATION

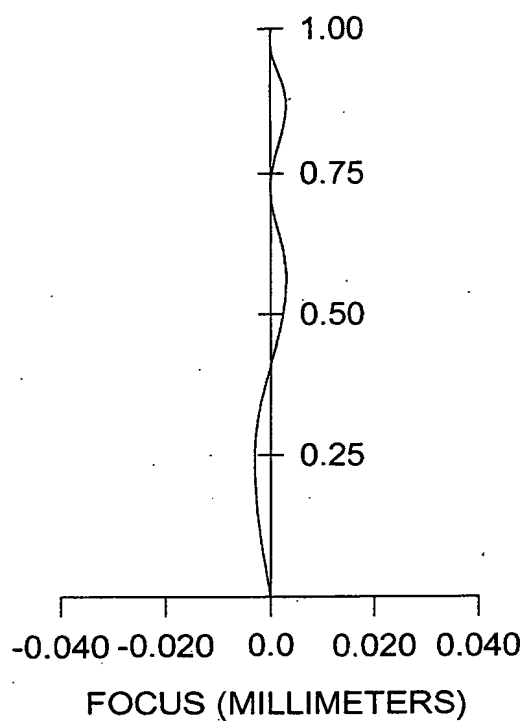
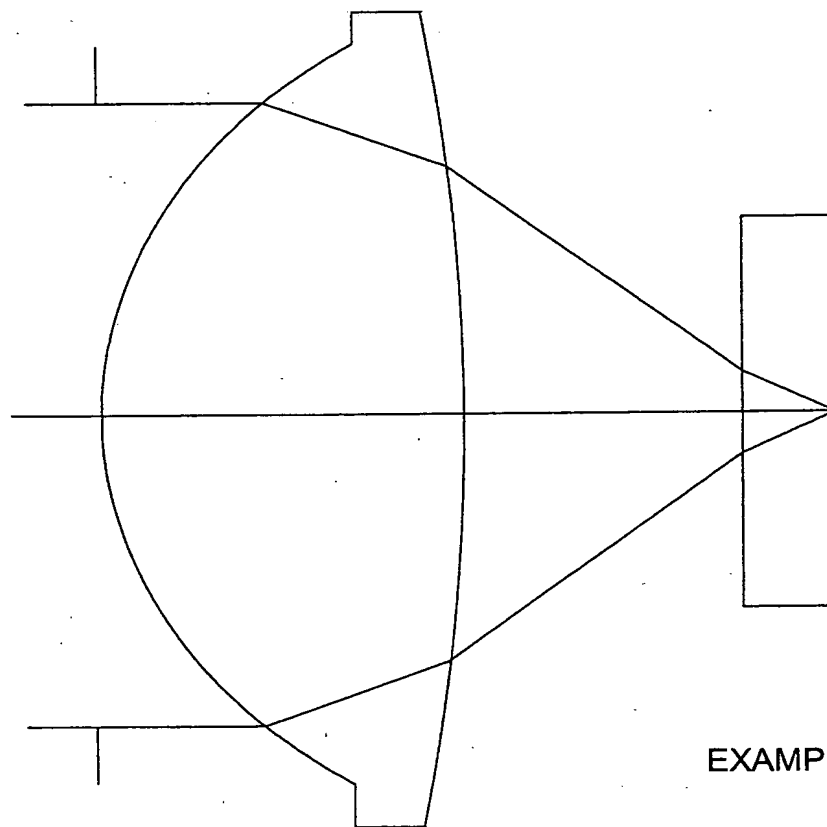


FIG. 22



EXAMPLE 4

FIG. 23

SPHERICAL ABERRATION

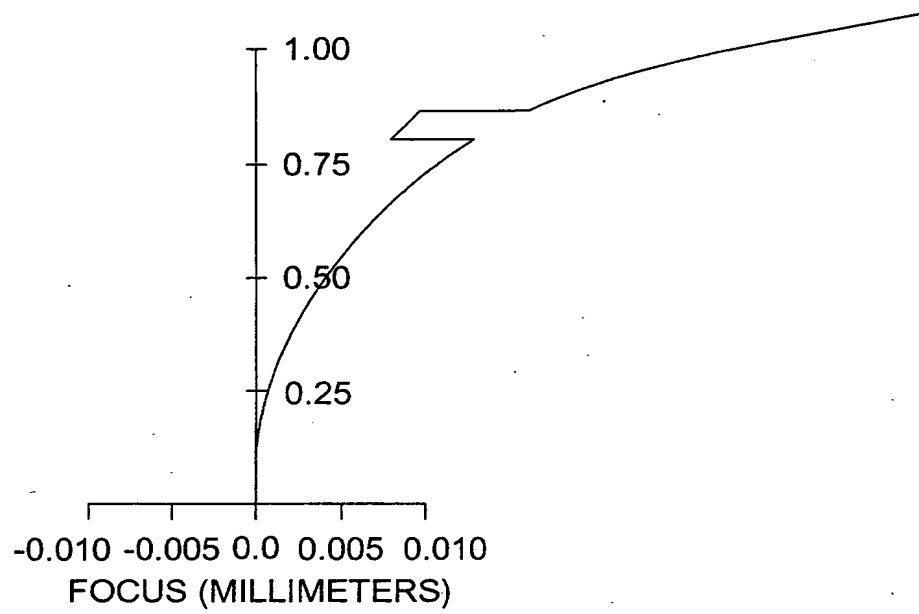


FIG. 24

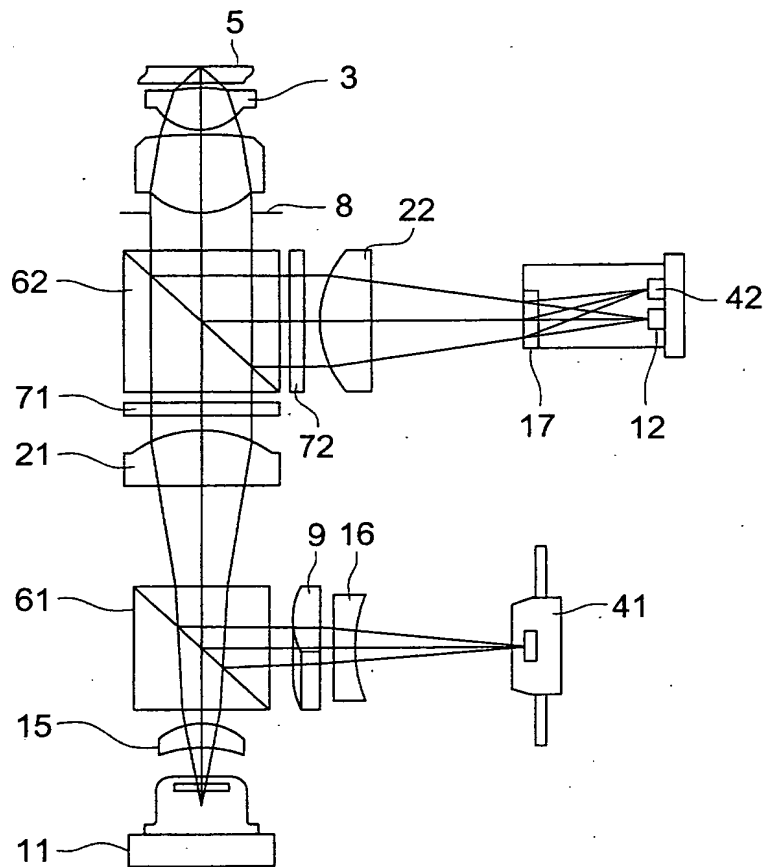


FIG. 25 (a)

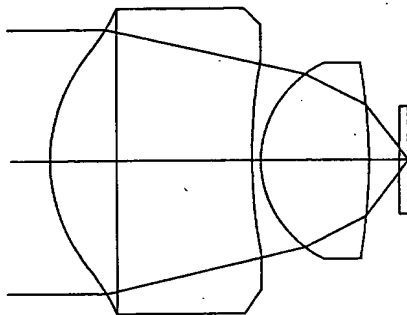


FIG. 25 (b)

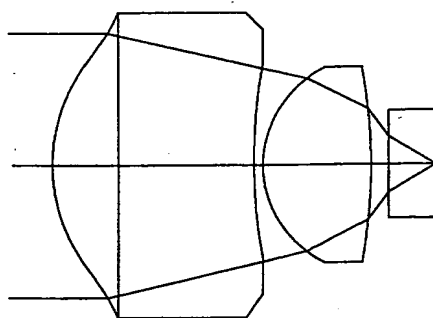


FIG. 26 (a)

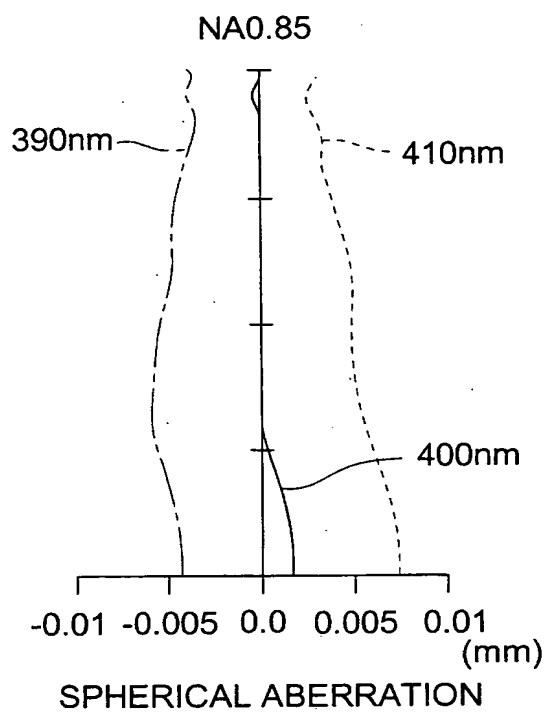


FIG. 26 (b)

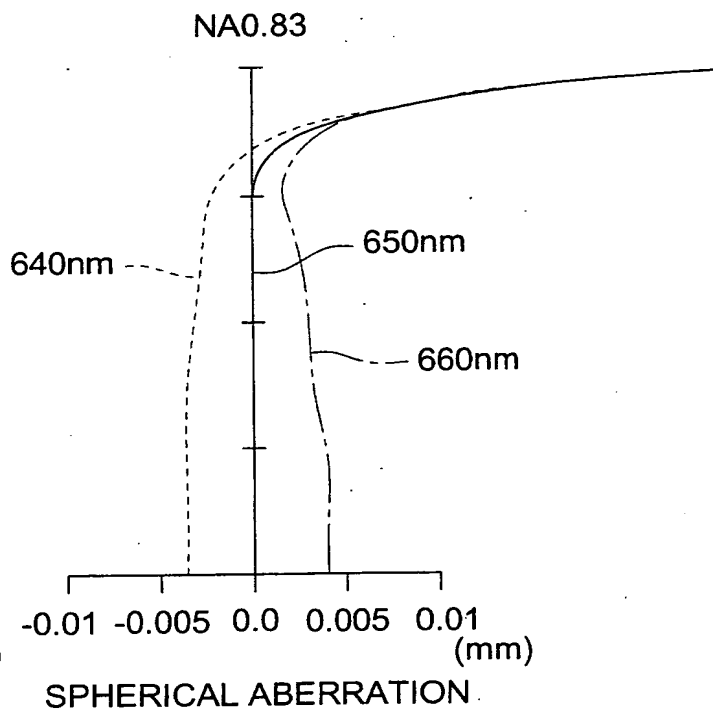


FIG. 27 (a)

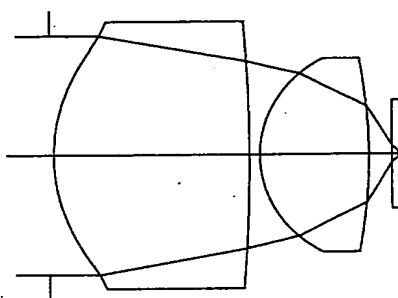


FIG. 27 (b)

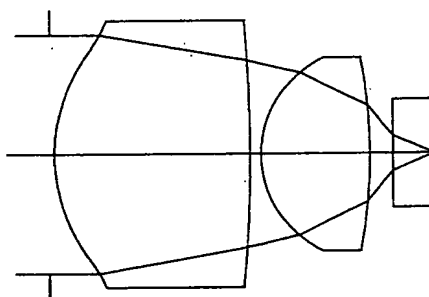


FIG. 28 (a)

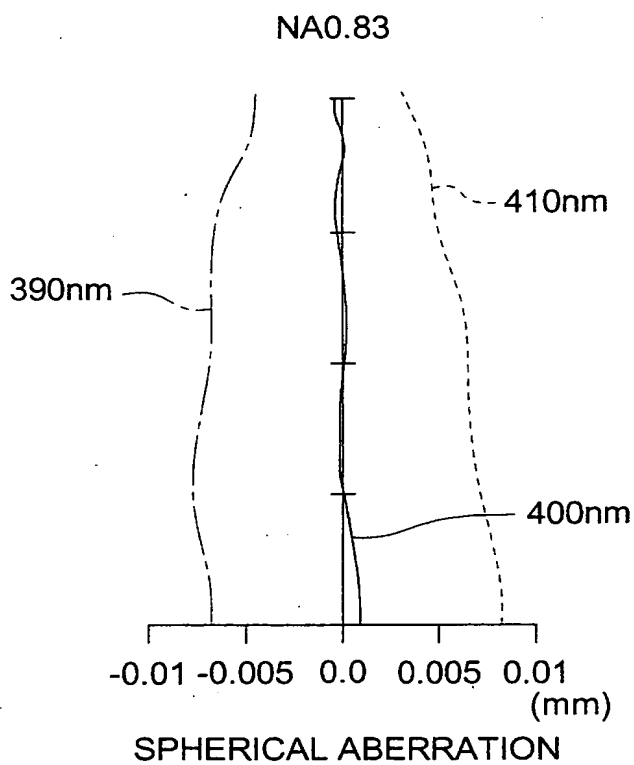


FIG. 28 (b)

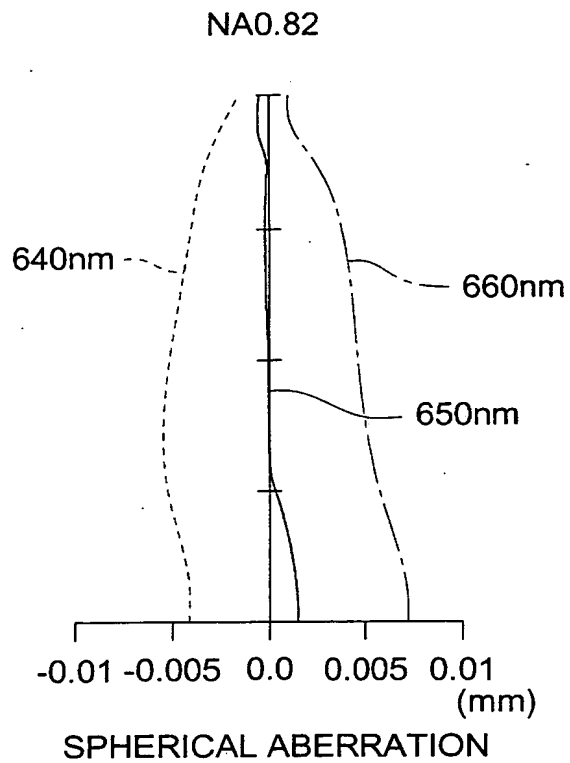


FIG. 29 (a)

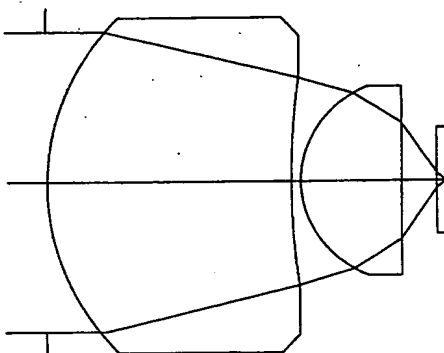


FIG. 29 (b)

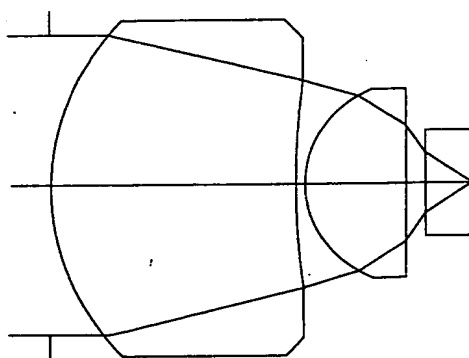


FIG. 30 (a)

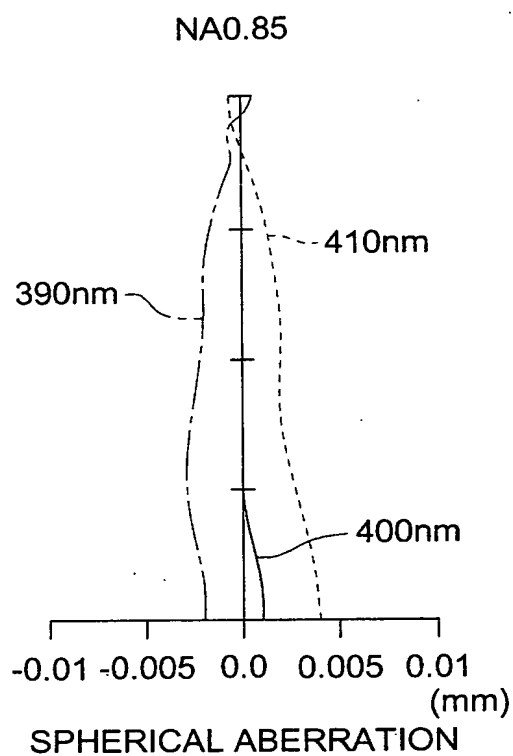


FIG. 30 (b)

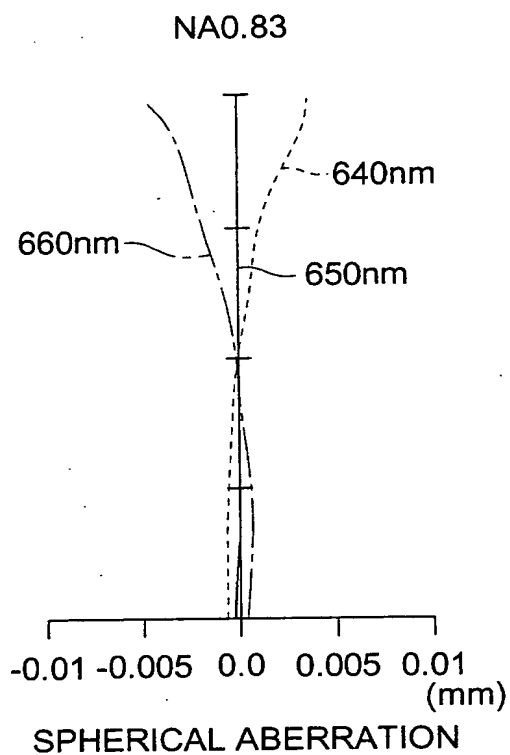


FIG. 31 (a)

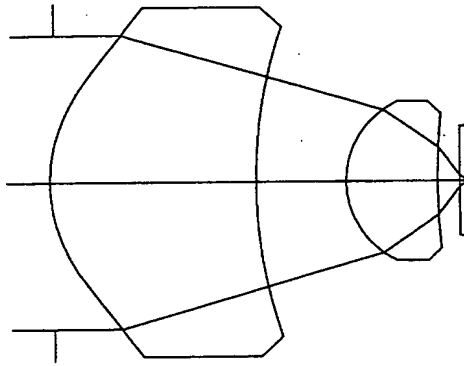


FIG. 31 (b)

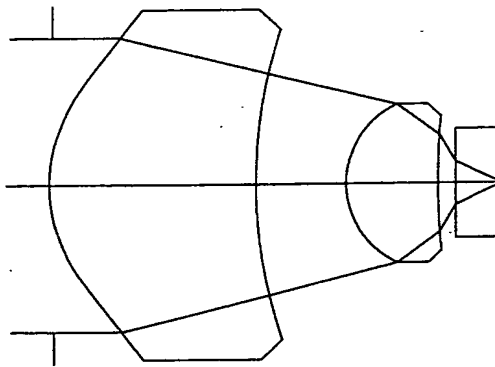


FIG. 32 (a)

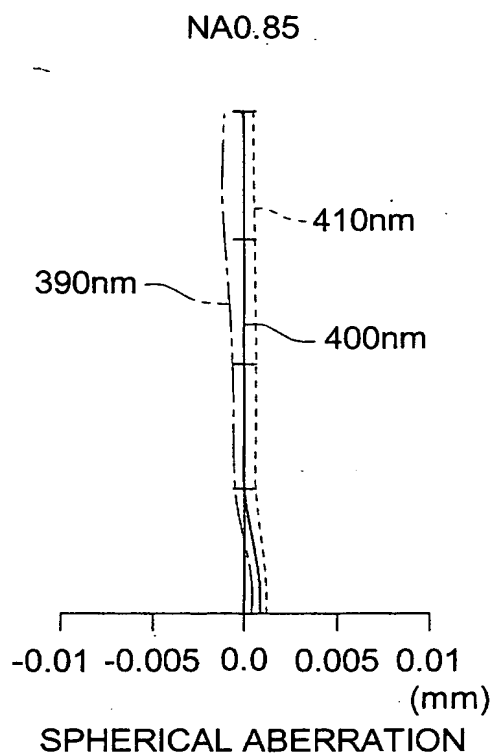


FIG. 32 (b)

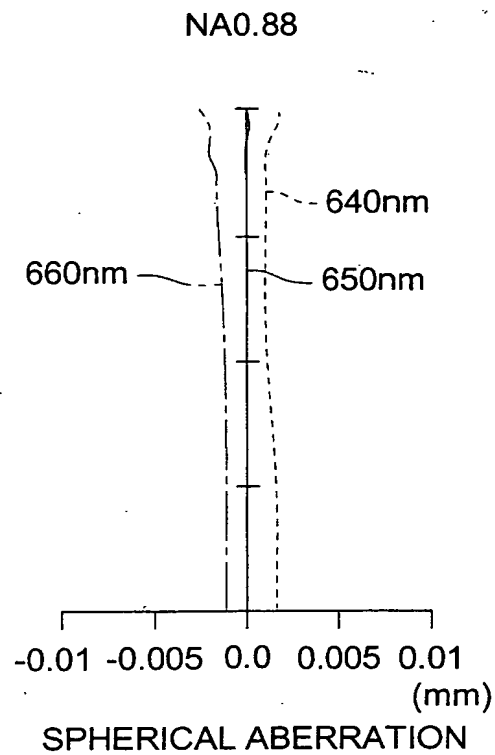


FIG. 33 (a)

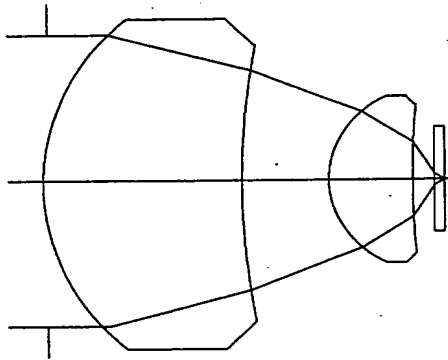


FIG. 33 (b)

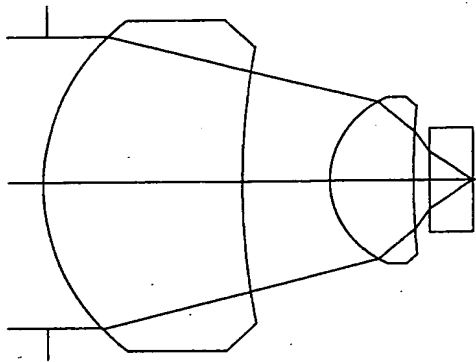


FIG. 34 (a)

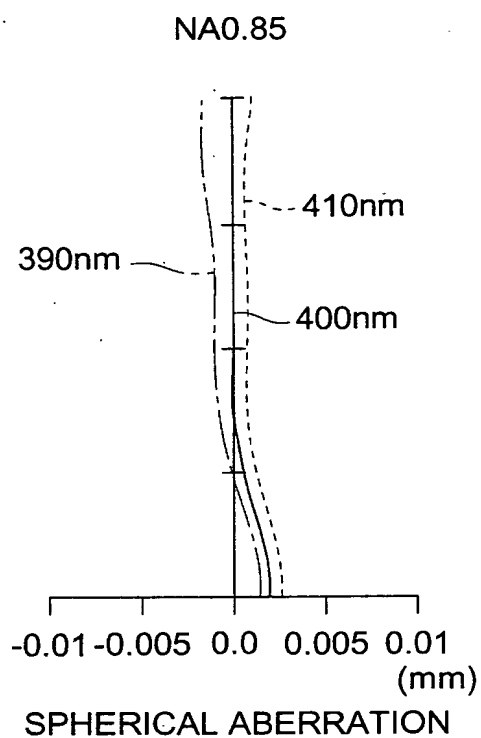


FIG. 34 (b)

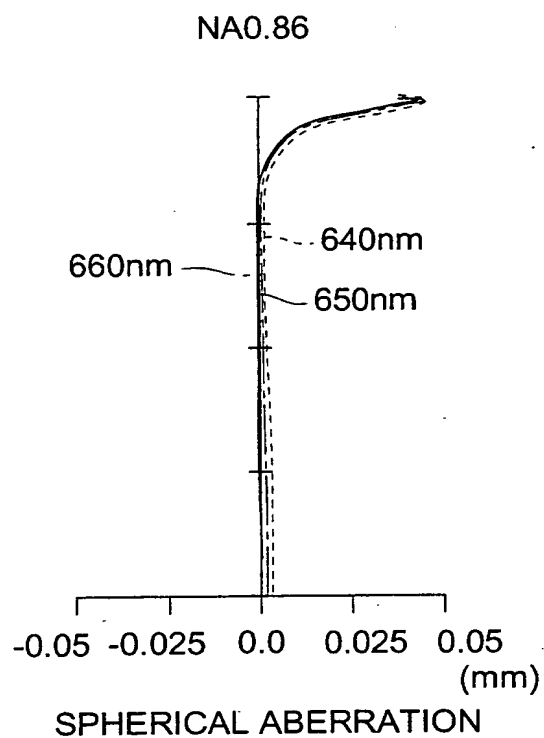
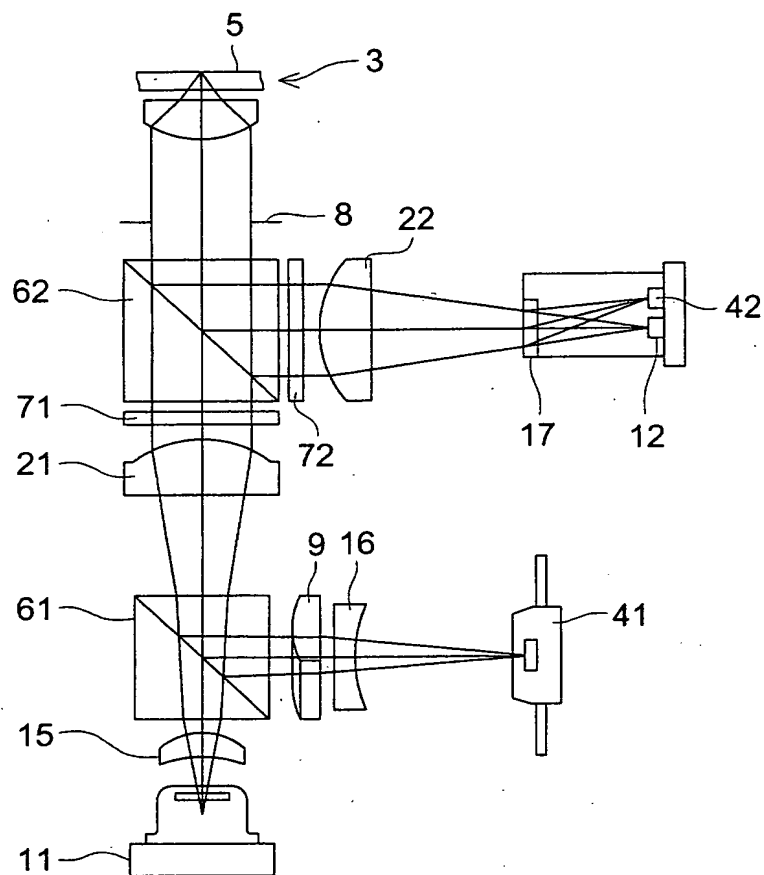


FIG. 35



004433444600

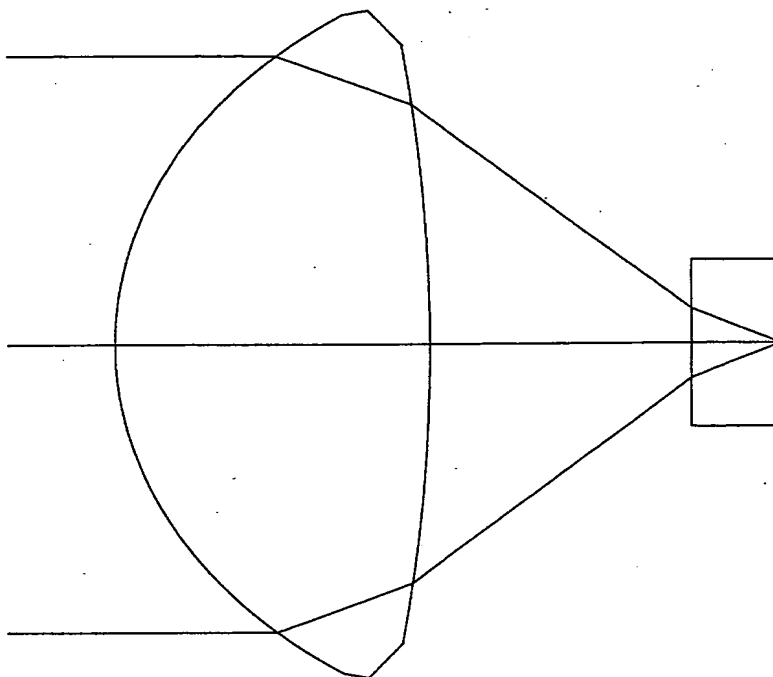
[illegible]

FIG. 37

DVD ABERRATION VIEW

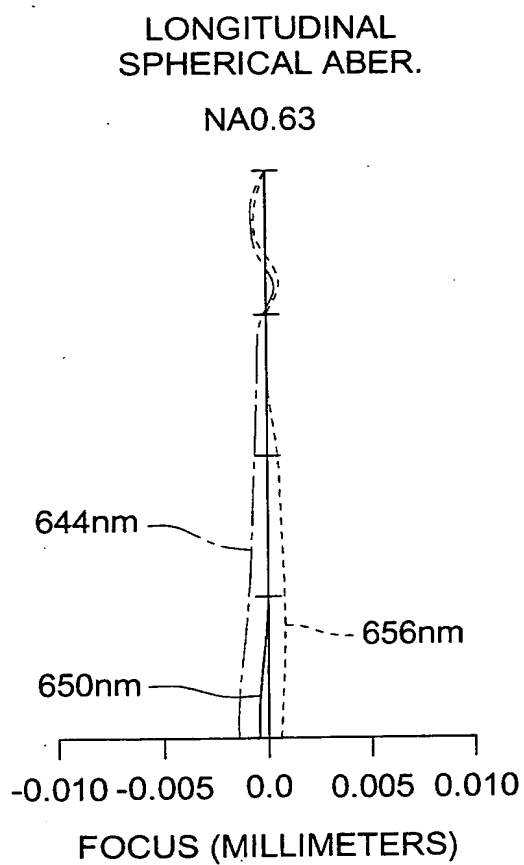
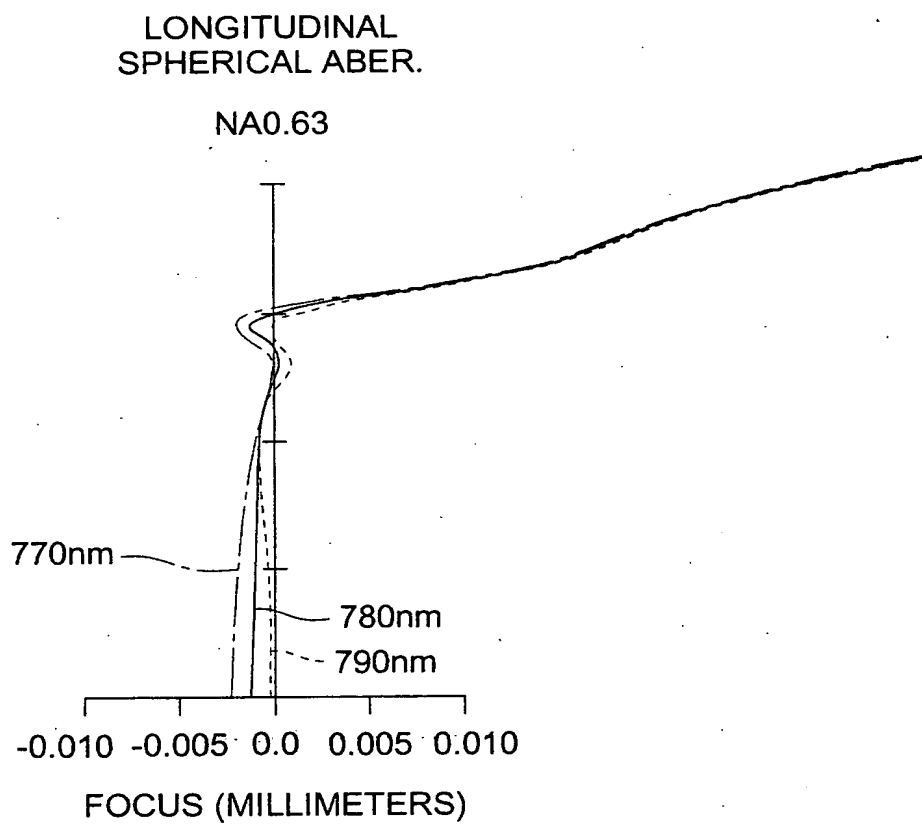


FIG. 38

CD ABERRATION VIEW



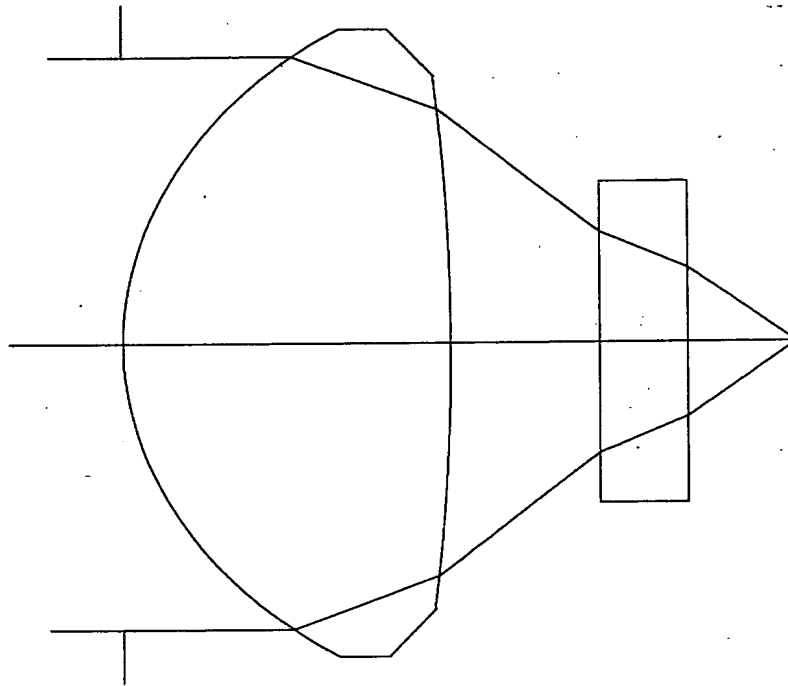
[illegible]

FIG. 40

DVD ABERRATION VIEW

LONGITUDINAL
SPHERICAL ABER.

NA0.63

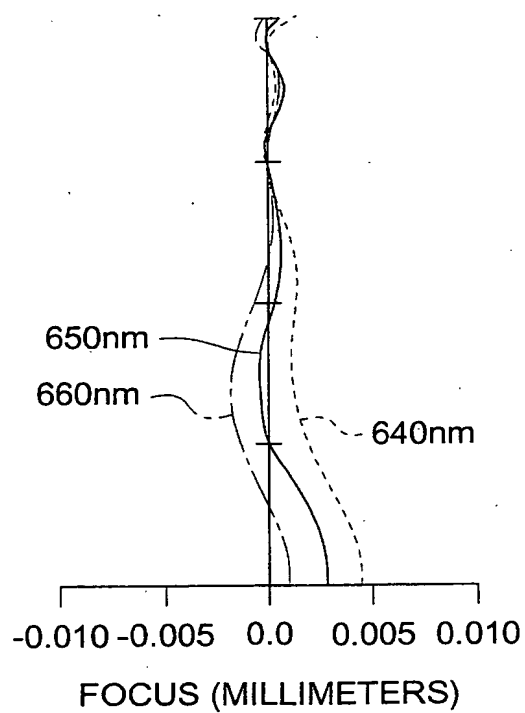


FIG. 41

CD ABERRATION VIEW

LONGITUDINAL
SPHERICAL ABER.

NA0.63

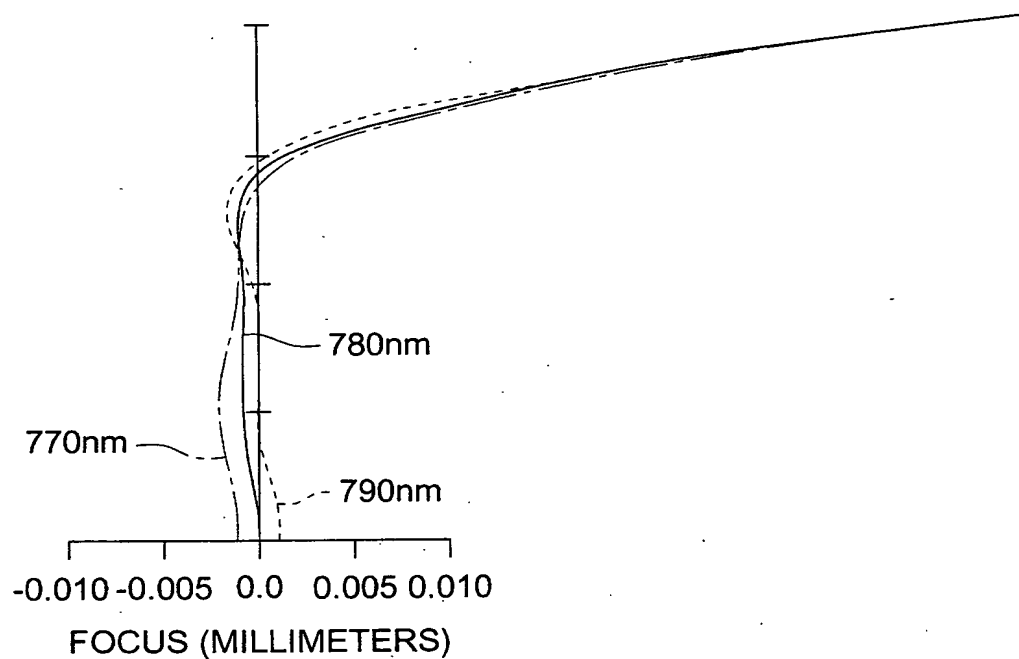


FIG. 42

SPOT DIAGRAM OF LUMINOUS FLUX (NA 0.5 - 0.63)
OF DVD EXCLUSIVE-USE AREA WHEN SECOND
DEGREE DIFFRACTION LIGHT IS USED

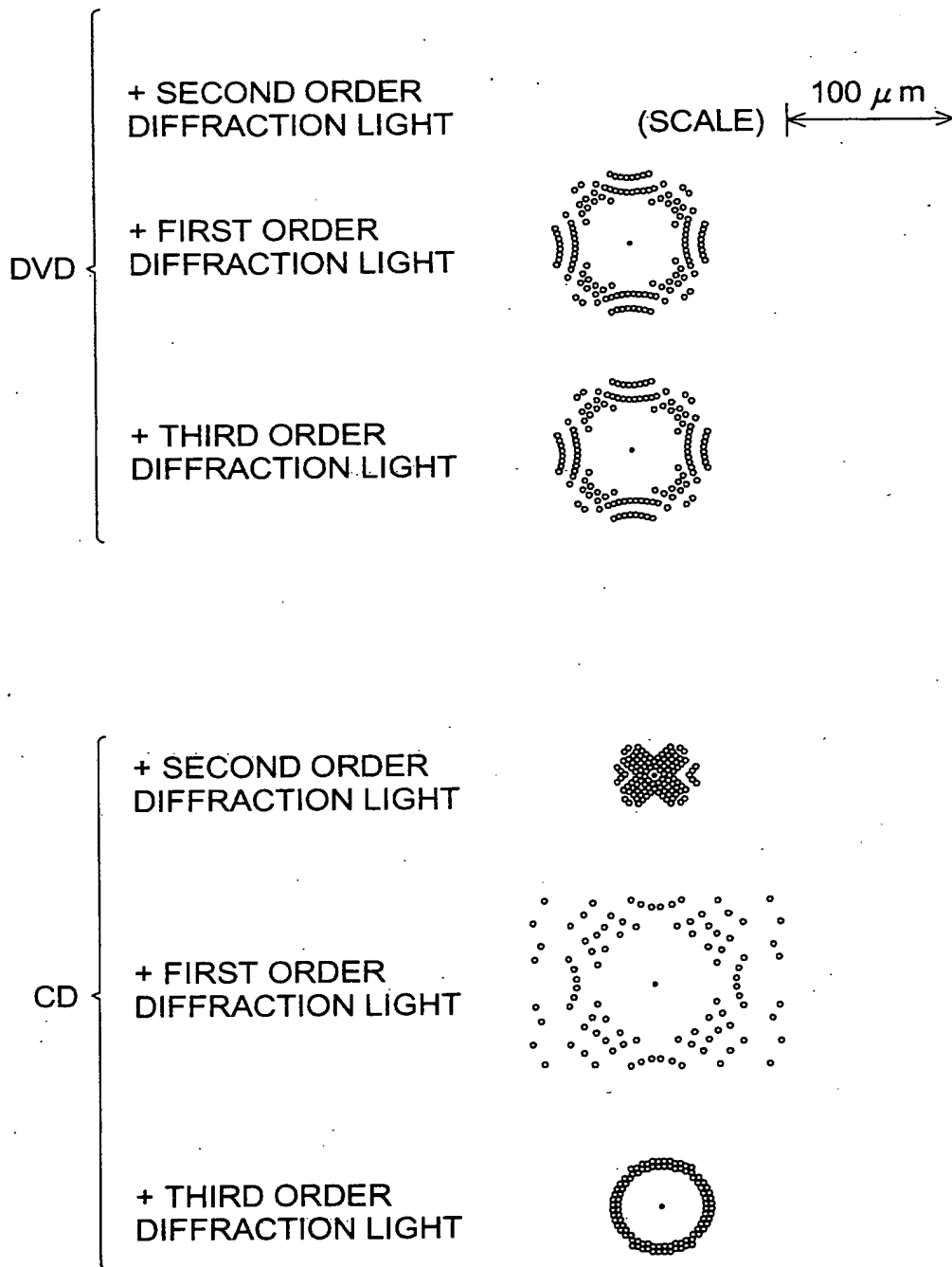


FIG. 43

